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Product datasheet for TL309982

RAB7L1 (RAB29) Human shRNA Plasmid Kit (Locus ID 8934)

Product data:

Product Type:	shRNA Plasmids
Product Name:	RAB7L1 (RAB29) Human shRNA Plasmid Kit (Locus ID 8934)
Locus ID:	8934
Synonyms:	RAB7L; RAB7L1
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	RAB29 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 8934). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001135662, NM_001135663, NM_001135664, NM_003929, NM_003929.1, NM_003929.2, NM_001135662.1, NM_001135663.1, NM_001135664.1, BC002585, BC002585.2, NM_001135663.2, NM_001135662.2, NM_003929.3
UniProt ID:	O14966
Summary:	Rab GTPase key regulator in vesicle trafficking. Essential for maintaining the integrity of the endosome-trans-Golgi network structure. Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner. Regulates neuronal process morphology in the intact central nervous system (CNS). May play a role in the formation of typhoid toxin transport intermediates during Salmonella enterica serovar Typhi (S.Typhi) epithelial cell infection.[UniProtKB/Swiss-Prot Function]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

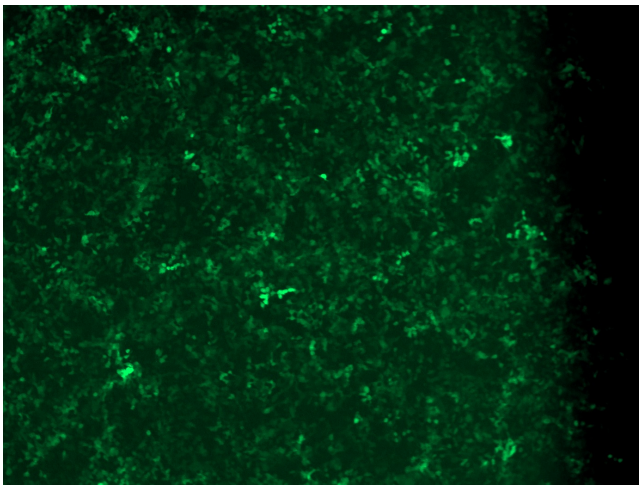
View online »

Performance Guaranteed:

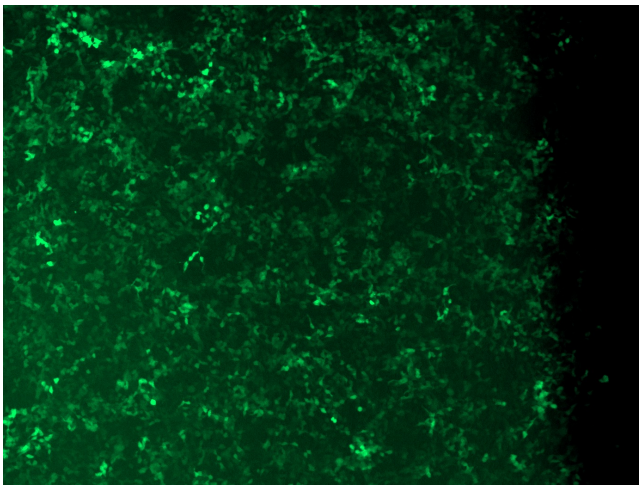
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).

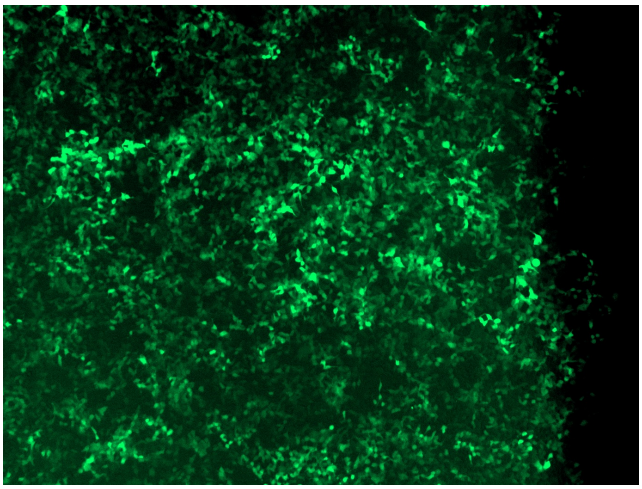
Product images:



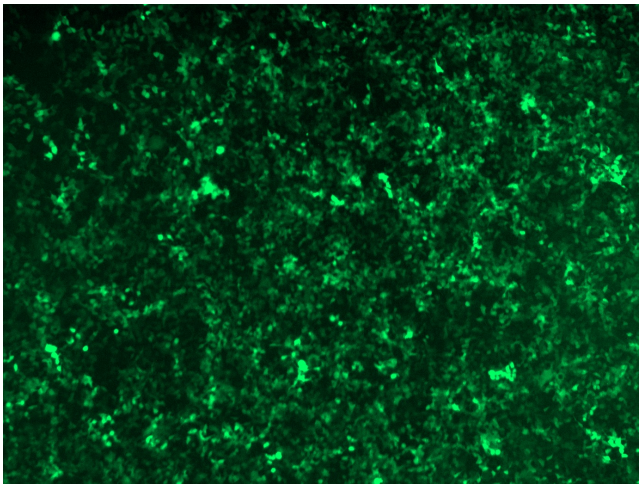
GFP signal was observed under microscope at 48 hours after transduction of TL309982A virus into HEK293 cells. TL309982A virus was prepared using lenti-shRNA TL309982A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL309982B virus into HEK293 cells. TL309982B virus was prepared using lenti-shRNA TL309982B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL309982C] virus into HEK293 cells. [TL309982C] virus was prepared using lenti-shRNA [TL309982C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL309982D] virus into HEK293 cells. [TL309982D] virus was prepared using lenti-shRNA [TL309982D] and [TR30037] packaging kit.